

Divided by Ten

Purpose:

The purpose of this activity is to help your child to learn what happens when a whole number is divided by ten.

Link to Number Framework:

Place Value, Stage 7-8.

What you need:

- A calculator

What to do:

Type a 2 digit number into the calculator, for example " $56 \div 10$ ". Before you press "=" ask your child to predict what the answer will be. Take turns with your child to enter the basic facts into the calculator and predict the results.

For each fact that you solve, discuss whether the answer from the calculator is reasonable. For example, $56 \div 10$ can be reasoned as "50 divided by 10 is 5, 1 divided by ten is 1 tenth, so 6 divided by 10 must be 6 tenths and 5.6 must be the right answer." This encourages your child to check the answers they receive from the calculator, rather than accept them as correct without consideration.

Keep a list of the problems you solve. Can you see a pattern in the answers?

Variations:

- Once you have identified the pattern when dividing a 2 digit number by ten try dividing three or four digit numbers by ten. What happens to the pattern?